What is claimed is:

1	1. A system for pre-compiling a source cursor into a target library
2	cache, comprising:
3	at least one source cursor stored in a source library cache, each source
4	cursor comprising a statement with a shareable part and a non-shareable part;
5	an extraction process selectively copying the source cursor by extracting
6	the shareable part of the statement from the source library cache; and
7	a compilation process pre-compiling the shareable part of the extracted
8	source cursor into a target cursor without execution.
1	2. A system according to Claim 1, further comprising:
2	a lookup function creating a hash value from a text statement
3	corresponding to the extracted source cursor, comparing the hash value to a set of
4	target cursors stored in the target library cache and retrieving a reference pointer
5	upon locating a matching target cursor.
1	3. A system according to Claim 2, further comprising:
2	a build function requesting a context area upon failing to locate a matching
3	target cursor, loading the requested context area and building a new target cursor
4	in the target library cache.
1	4. A system according to Claim 1, further comprising:
2	a parent cursor storing the target cursor as a parsed representation of a text
3	statement corresponding to the extracted source cursor, the parent cursor
4	comprising at least one child cursor.
1	5. A system according to Claim 4, further comprising:
2	for each session, the compilation process creating at least one child cursor
3	for each text statement having identical text and different objects.
1	6. A system according to Claim 4, further comprising:
2	for each session, the compilation process creating at least one child cursor
2	for each text statement having different session environments

1	7. A system according to Claim 1, further comprising:	
2	a target node asynchronously warming the target library cache prior to a	
3	switchover.	
1	8. A system according to Claim 1, further comprising:	
2	a target node asynchronously warming the target library cache prior to an	
3	unplanned failover.	
1	9. A system according to Claim 1, wherein the extraction process	
2	extracts data selected from the group consisting of at least one of statement text,	
3	statement type, parsing user and parsing schema; parsing session environment;	
4	parsed representation and execution plan; and bind variable data.	
1	10. A system according to Claim 1, wherein the extracted statement is	
2	written in a structured database language comprising at least one of SQL and	
3	PL/SQL.	
1	11. A method for pre-compiling a source cursor into a target library	
2	cache, comprising:	
3	storing at least one source cursor in a source library cache, each source	
4	cursor comprising a statement with a shareable part and a non-shareable part;	
5	selectively copying the source cursor by extracting the shareable part of	
6	the statement from the source library cache; and	
7	pre-compiling the shareable part of the extracted source cursor into a	
8	target cursor without execution.	
1	12. A method according to Claim 11, further comprising:	
2	creating a hash value from a text statement corresponding to the extracted	
3	source cursor;	
4	comparing the hash value to a set of target cursors stored in the target	
5	library cache; and	
6	retrieving a reference pointer upon locating a matching target cursor.	

1	13. A method according to Claim 12, further comprising:			
2	requesting a context area upon failing to locate a matching target cursor;			
3	loading the requested context area; and			
4	building a new target cursor in the target library cache.			
1	14. A method according to Claim 11, further comprising:			
2	storing the target cursor as a parsed representation of a text statement			
3	corresponding to the extracted source cursor, the target cursor comprising a parent			
4	cursor and at least one child cursor.			
1	15. A method according to Claim 14, further comprising:			
2	for each session, creating at least one child cursor for each text statement			
3	having identical text and different objects.			
1	16. A method according to Claim 14, further comprising:			
2	for each session, creating at least one child cursor for each text statement			
3	having different session environments.			
1	17. A method according to Claim 11, further comprising:			
2	asynchronously warming the target library cache prior to a switchover.			
1	18. A method according to Claim 11, further comprising:			
2	asynchronously warming the target library cache prior to an unplanned			
3	failover.			
1	19. A method according to Claim 11, further comprising:			
2	extracting data selected from the group consisting of a least one of			
3	statement text, statement type, parsing user and parsing schema, parsing session			
4	environment; parsed representation and execution plan; and bind variable data.			
1	20. A method according to Claim 11, wherein the extracted statement			
2	is written in a structured database language comprising at least one of SQL and			
3	PL/SOL.			

1	21. A\computer-readable storage medium holding code for performin		
2	the method according to Claim 11.		
1	22. A system for staging a pre-compiled cursor in a warmed instance		
2	cache, comprising:		
3	a hash value created from a source cursor extracted from a source library		
4	cache, the source cursor comprising a shareable part and a non-shareable part;		
5	a compilation process comparing the hash value to one or more target		
6	cursors maintained in a target library cache and retrieving a reference pointer to		
7	an address of a matching target cursor.		
1	23. A system according to Claim 22, further comprising:		
2	an open function opening a cursor definition entry in the target library		
3	cache.		
1	24. A system according to Claim 23, further comprising:		
2	a parse function instantiating the target cursor into the target library cache		
1	25. A system according to Claim 24, further comprising:		
2	a bind function binding each input variable in the shareable part of the		
3	target cursor.		
1	26. A system according to Claim 25, further comprising:		
2	a describe function describing type definitions for each input variable in		
3	the target cursor without execution.		
1	27. A system according to Claim 26, further comprising:		
2	a close function closing the target cursor.		
1	28. A method for staging a pre-compiled cursor in a warmed instance		
2	cache, comprising:		
3	creating a hash value from a source cursor extracted from a source library		
4	cache, the source cursor comprising a shareable part and a non-shareable part;		
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5	comparing the hash value to one or more target cursors maintained in a			
6	target library cache; and			
7	retrieving a reference pointer to an address of a matching target cursor.			
1.	29. A method according to Claim 28, further comprising:			
2	opening a cursor definition entry in the target library cache.			
1	30. A method according to Claim 29, further comprising:			
2	instantiating the target cursor into the target library cache.			
1	31. A method according to Claim 30, further comprising:			
2	binding each input variable in the shareable part of the target cursor.			
1	32. A method according to Claim 31, further comprising:			
2	describing type definitions for each input variable in the target cursor			
3	without execution.			
1	33. A method according to Claim 32, further comprising:			
2	closing the target cursor.			
1	34. A computer-readable storage medium holding code for performing			
2	the method according to Claim 28.			
1	35. A method, comprising:			
2	executing a database statement in a first database instance;			
3	sending the database statement from the first database instance to a second			
4	database instance;			
5	in the second database instance, generating and storing a structure			
6	required to prepare the database statement for execution in the second database			
7	instance;			
8	receiving from a user or application a request to execute the database			
9	statement in the second database instance; and			
10	after receiving the request, using the structure to execute the database			
11	statement in the second database instance.			

1	36.	A method according to Claim 35, wherein the structure is a parse		
2	tree for the database statement.			
1	37.	A method according to Claim 35, wherein the structure is an		
2	execution pla	n for the database statement		
1	38.	A method according to Claim 35, the sending operation occurs in		
2	anticipation o	of a planned shutdown of the first database instance.		
1	39.	A method according to Claim 35, wherein the sending operation		
2	occurs in anticipation of an unplanned shutdown of the first database instance that			
3	may possibly occur in the future.			
1	40.	A method, comprising:		
2	receiving a database statement for execution in a first database instance;			
3	generating in the first database instance, a structure required to prepare the			
4	database statement for execution;			
5	executing the first database statement in the first database instance;			
6	sending the structure from the first database instance to a second database			
7	instance;			
8	receiv	ing from a user or application a request to execute the database		
9	statement in t	he second database instance; and		
10	after receiving the request, using the structure to execute the database			
11	statement in t	he second database instance.		
1	41.	A method according to Claim 40, wherein the structure is a parse		
. 2	tree for the da	atabase statement.		
1	42.	A method according to Claim 40, wherein the structure is an		
2	execution pla	n for the database statement.		
1	43.	A method according to Claim 40, the sending operation occurs in		
2	anticination o	f a planned shutdown of the first database instance		

- 1 44. A method according to Claim 40, wherein the sending operation
- 2 occurs in anticipation of an unplanned shutdown of the first database instance that
- 3 may possibly occur in the future.